

OPERATION AND MAINTENANCE PLAN FOR DRY HYDRANT

Landowner/user: _____ Date: _____

Address: _____

A properly operated and maintained **Dry Hydrant** is an asset to your property, fire department and town. This dry hydrant was designed and installed to convey water from a source to the intake of a fire pumper truck. The estimated life span of this practice is 10 years. The life of this dry hydrant can be assured and usually increased by developing and carrying out a good operation and maintenance program.

This practice will require you to perform periodic operation and maintenance items to maintain satisfactory performance. The following are some requirements to help you develop a good operation and maintenance program.

Operation and Maintenance

1. Keep site clear of obstructions and regularly mow the access area to keep the dry hydrant readily available for emergency use. Provisions shall be made to have snow removed after each snowstorm.
2. Repair and replace vegetation around the dry hydrant and access as needed. Remove any unwanted vegetation.
3. Repair access roads and wear surfaces as needed.
4. The visible pipe and fittings shall be inspected annually for damage and repaired, if needed.
5. Periodically remove and clean dry hydrant screens.
6. Pumper testing:
 - a. Pump testing of dry hydrant shall be done twice per year in the spring and fall.
 - b. Testing shall include back flushing, followed by testing at the maximum design flow rate of the hydrant. Care shall be taken when back flushing not to damage the components.
 - c. Any silt, aquatic growth or other debris which hinders the full operation of the dry hydrant shall be removed.
 - d. If the design flow rate is reduced, the cause must be determined and corrected.

- e. The water level shall be monitored to insure that the design volume is available to be pumped and cavitation does not damage the pump.
- 7. The intake screen shall be checked once every five years to identify any sediment build up.
- 8. The hydrant shall be back flushed each spring and fall to remove any silt and debris that may have accumulated in the in take screen.
- 9. The riser and all exposed PVC or plastic components shall be painted with a latex-based paint. All a painted components shall be inspected periodically and repainted as needed.
- 10. Guard post and other protective components shall be repaired as needed.

Specific Requirements for Your Practice
